

<b>Notice of Allowability</b>	Application No.	Applicant(s)
	10/645,324	SHOR ET AL.
	Examiner	Art Unit
	Afsar M Qureshi	2667

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to a telephonic interview with the Applicant's representative, dated 3/18/2005.
2.  The allowed claim(s) is/are 1-6.
3.  The drawings filed on        are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No.       .
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received:       

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date       .
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 3/18/2005.
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 4/21/2004
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other

  
 Afsar M Qureshi  
 3/18/2005  
 PRIMARY EXAMINER

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Woods on March 18, 2005.

1. The application has been amended as follows:

#### **IN THE SPECIFICATION**

On page 1, line 21, added --10/643,108-- in the blank space,

On page 1, line 22, added --10/642,886-- in the blank space,

On page 3, line 8, added --10/642,886-- in the blank space,

On page 15, line 9, added --10/642,886-- in the blank space.

2. **IN THE DRAWINGS**

In order to avoid abandonment of the application, applicant must submit formal drawings. Figures 1-3 are not clear enough to read because of shades. Applicant is requested to take appropriate action to facilitate clarity when submitting formal drawings.

***Reasons for Allowance***

3. Claims 1-6 are allowed over prior art of record.

The following is an examiner's statement of reasons for allowance:

The instant invention relates to multi-carrier modulation techniques such as OFDM transmission with BPSK and QPSK. The prior art of record, Fullerton et al. (US 6,031,862) and Walton et al. (US 2004/0081131 A1) fails to disclose unique method steps of "obtaining a third signal from a received second signal  
wherein obtaining each of an initial portion and a tail portion of the third signal  
comprises adding together at least a portion of each of an initial portion and a tail  
portion of the second signal (claims 1, 3 and 5), obtaining a second signal  
involves halving values of an initial portion and a tail portion of a first signal and  
adding zeros following the tail portion (claim 3)".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Afsar M Qureshi whose telephone number is (571) 272 3178. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Chi Pham can be reached on (571) 272 3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



AFSAR QURESHI  
PRIMARY EXAMINER

March 18, 2005